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2 **ABSTRACT**

3 Systems and methods are described for applying 8-bit alpha blending to  
4 a bitonal source image and a bitonal destination image to produce a bitonal  
5 blended image. The bitonal blended image has a high quality, but memory  
6 resources are preserved because the process is accomplished without expanding  
7 the 1-bit images to 8-bit space before generating the blended image.  
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